

FLASH TYPE ANALOG TO DIGITAL CONVERTING METHOD AND CIRCUIT

ABSTRACT OF THE DISCLOSURE

The present invention discloses a flash type analog to digital converting method, comprising: (a) receiving an analog signal and generating 128-bit digital thermometer code based on the analog signal; (b) 3_{rd}-compressing the 128-bit thermometer code to generate a 16-bit thermometer code and a 3-bit carry; and (c) encoding the 128-bit thermometer code to generate a 7-bit digital signal. Therefore, a layout area can be reduced because, after a 2ⁿ-bit thermometer code is compressed, the compressed digital signal is encoded to generate an n-bit digital signal.